

Application No. 10/525,897

Remarks/Arguments

The original title is changed to "Device for Converting an AC Voltage from a main electricity supply to a DC voltage of a Predetermined Level and Waveform."

According to the examiner's indications, applicant amends the term "transistor" in claims 35-40 to "transformer" and removes the terms "on the one hand" and "on the other hand" from claims 46-50.

Claims 1, 2 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morris (US 5,555,494). The examiner asserts that Morris taught a converting device comprising a main transformer (T1 or T2) and an auxiliary transformer (T2 or T1) as recited in claim 1 in the present application.

However, during a review of the Morris' patent, we noted that Morris teaches that primary windings of the two transformers (T1, T2) connected in series can limit the rise of the primary current, while secondary windings of the two transformers are connected in parallel.

In the present invention, as recited in amended claim 1, secondary windings of the main and auxiliary transformers (26, 28) are connected in series. One transformer has a power converting function while the other one has the function of driving a power transistor. As discussed in line 23 on page 4 to line 20 on page 5 of the specification, when the driving current in the primary winding of the auxiliary transformer (28) is higher than the current in the primary winding of the main transformer (26), a current is generated to drive the power transistor.

In short, both of Morris's transformers are used for power conversion and neither of them is used to drive any switching element. Further, Morris's two transformers are connected in a way obviously differing from the connection of the main and auxiliary transformers according to the present invention. Therefore, the prior art by the record cannot render the subject matter of the present invention obvious since no reasonable teachings or suggestions could be found. The

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subject patent application is believed to have been placed in condition for allowance, and such action is respectfully requested.

Respectfully submitted,

René Frederik Koch

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By



Alan D. Kamrath
NIKOLAI & MERSEREAU, P.A.
Attorneys for Applicant
900 Second Avenue South
Suite 820 International Centre
Minneapolis, MN 55402
Telephone: (612) 392-7306
Facsimile: (612) 349-6556